

(31)

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SEARCH REQUEST FORM

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Requester's Full Name: Justin King Examiner #: 79227 Date: 11/14
Art Unit: 2181 Phone Number 305-4571 Serial Number: _____
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If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: 8.6.99

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

The earliest date for the attached Sun KVM switch.
The internet archive shows the 10/11/99 as the page publishing date.

Or any similar keyboard switch with the ability to simultaneously
shut down and start-up.

Thanks.

Justin

STAFF USE ONLY

Type of Search		Vendors and cost where applicable
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L Number	Hits	Search Text	DB	Time stamp
1	3	keybaord with switch	USPAT	2002/11/14 10:58
2	34	pc adj switching	USPAT	2002/11/14 10:59
3	32	pc adj switching and @ad<19990806	USPAT	2002/11/14 11:02
4	226	(computer with switching with keyboard) and @ad<19990806	USPAT	2002/11/14 11:49
5	1	("3699294").PN.	USPAT	2002/11/14 11:12
6	834	(computer with switch with keyboard) and @ad<19990806	USPAT	2002/11/14 11:50
7	41	(computer with switch with keyboard) and (power adj down) and @ad<19990806	USPAT	2002/11/14 11:52
8	1	(computers with switch with keyboard) and (power adj down) and @ad<19990806	USPAT	2002/11/14 11:53
9	0	(computers with switch with keyboard) and (simutaneous) and @ad<19990806	USPAT	2002/11/14 12:38
10	0	(KVM and simutaneous) and @ad<19990806	USPAT	2002/11/14 12:38
11	38	(KVM) and @ad<19990806	USPAT	2002/11/14 12:42
12	0	(switch same communication same some) and @ad<19990806	USPAT	2002/11/14 12:43
13	10	("0355858" "2528086" "3054879" "3267233" "3308253" "3359386" "3382338" "3466410" "3056005" "2843695").PN.	USPAT	2002/11/14 12:52
14	10	("0355858" "2528086" "3054879" "3267233" "3308253" "3359386" "3382338" "3466410" "3056005" "2843695").PN.	USPAT	2002/11/14 12:53
15	10	("0355858" "2528086" "3054879" "3267233" "3308253" "3359386" "3382338" "3466410" "3056005" "2843695").PN.	USPAT	2002/11/14 12:53
16	103	3699294.URPN.	USPAT	2002/11/14 12:53

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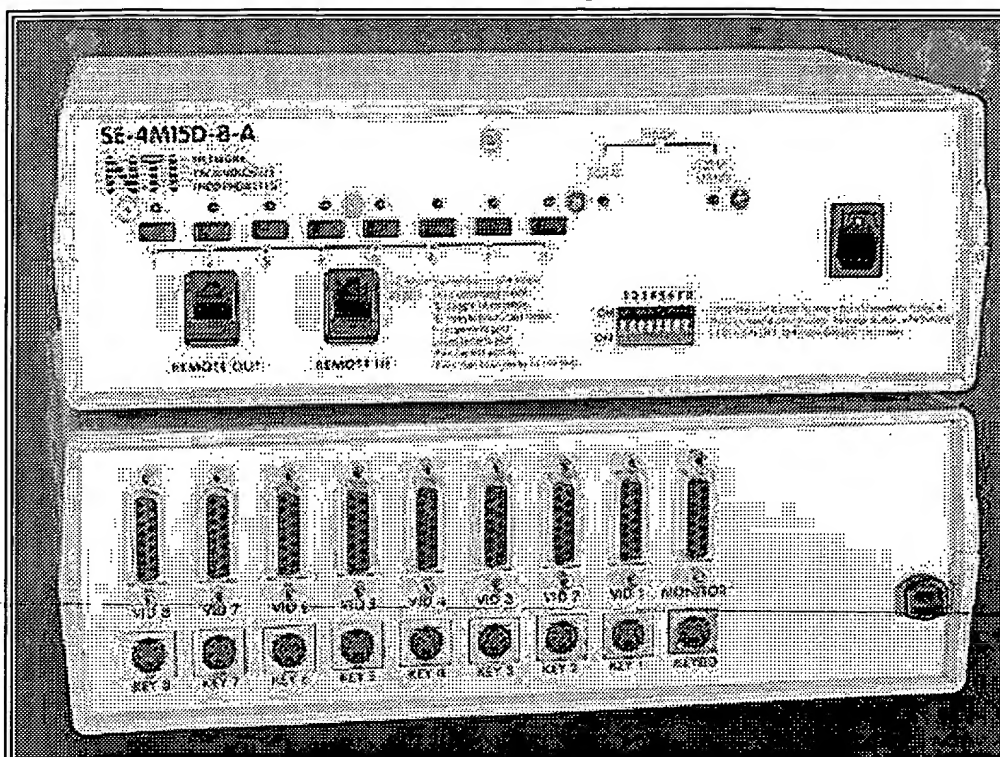
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				Aug 16, 2000 *		
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CONTROL MULTIPLE MAC'S

with one keyboard monitor & mouse



SE-4M15D-8-A

Features & Applications

Control up to 128 Macintoshes with one keyboard, monitor & mouse. Embedded microcomputers simulate the presence of keyboard, monitor & mouse to all attached MAC's 100% of the time.

- Front panel, keyboard or remote control
- 1600x1200 resolution with no degradation
- Uses standard cables
- Work with all MAC's including Power MAC's
- Cascade 4, 8 and 16 port switches, up to 128 ports
- Keyboard and mouse are hot pluggable

SPECIFICATIONS

Keyboard/Mouse

- All connectors are female 4-pin miniDIN
- This switch will hard or soft boot all MAC's 100% of the time
- NUM LOCK, CAPS LOCK & SCROLL LOCK lights are updated upon switching
- Multiple keyboards can be attached to this switch

Monitor

- All connectors are female 15 pin D
- Bandwidth is 150MHz
- Resolution above 640x480 requires a MACLIBERTY adapter on each MAC

Power

- 110 or 220 VAC at 50 or 60 Hz

CONTROL

Buttons on Front

- Touch a button and be connected to that computer
- Hold a button in for more than 2 seconds and go into SCAN or COMMAND mode
- LEDs on front indicate the mode of operation

Keyboard

- Type CTRL+* to go into command mode
- SCAN or COMMAND mode are available from the keyboard

Wired Remote

- Optional-must be purchased
- Operates same as "Buttons on Front"
- All MAC KVM switches have a connector on the front for an external remote

CASCADE

- Combine 4, 8 and 16 port switches together to create a larger switch with up to 128 MAC's
- Control signal is daisy chained
- Multiple switches operate as one, from one control point



Prices & Sizes



Options for MAC Switches

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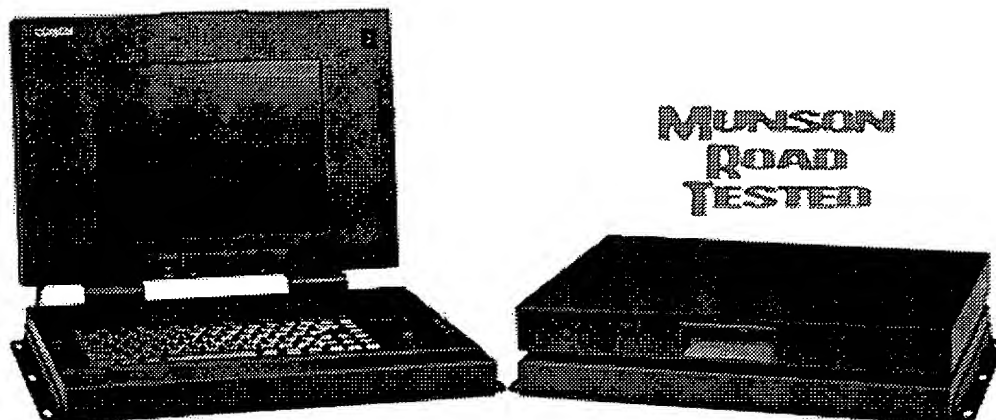
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Monitors/Keyboards

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Mobile, Ruggedized LCD Monitor and Keyboard



Monitor

Video Graphics Array	SuperVGA
Display Viewing Angle	L/R 120; U/D 90
Viewable Image Size	12.1 inches (Diagonal)
Active Display Area (mm)	246 x 184.5 mm
Display Resolution	800 x 600
Display Colors	262,144
Pixel Pitch	0.1025 x 0.3075 mm
Brightness	250 cd/m ²
Contrast	300:1
Backlight Unit	Two Cold Cathode Fluorescent Lamps (E)
Display Controls	Onscreen Display Control (OSD) of brightness, contrast R, contrast G, contrast B, H position, V position, frequency, phase, track text/graphics, expansion, display mode/frequency, ROM/RAM version, load mode, and load default
Rear Connectors	DB15 HD Video Connector, Power Input Connector
I/O Connectors	PS/2 Keyboard and Mouse, 6-pin Mini DIN

Keyboard

Dimensions (L x W x H)	14.56" x 5.45" x .78"
Number of Keys	83, Tampo Printed
Keyboard Compatibility	PS/2
Pointing Device	Integrated Trackball, 16mm
Certifications	FCC Part 15, Subpart B, Class B

Reliability	MCBF: 1 x 10 ⁹ cycles, MTBF: >134,000 hours; Operating Life of Individual Keys is >20 million actuations
Mechanical	
Enclosure Dimensions (H x W x D)	3.5" (8.89cm) when stowed x 17.5" x 11.5"
Construction	16GA CRS 1010-1018, 0.060 Aluminum
Finish	Black Texture Powder Coat, Clear Iridite
Storage Temperature	-25 C to +60 C
Operating Temperature	-0 C to +50 C
Power Supply	110/220 VAC autoswitching, 47-63 Hz, 15 watts, 12 volt input available, optional DC power supply available
Frequency	47-63 Hz
Power Consumption	7.5 Watts (Max)
Input Voltage Required	+12 VDC
Notes:	<ul style="list-style-type: none"> • VESA?Display Power Management (DPMS™) compatible • EPA Energy StarSM compliant power saving.

Rackmount LCD Monitor and Keyboard



Monitor	
Video Graphics Array	SuperVGA
Display Viewing Angle	L/R 120; U/D 90
Viewable Image Size	12.1 inches (Diagonal)
Active Display Area (mm)	246 x 184.5 mm
Display Resolution	800 x 600
Display Colors	262,144
Pixel Pitch	0.1025 x 0.3075 mm
Brightness	250 cd/m ²
Contrast	300:1

Backlight Unit	Two Cold Cathode Fluorescent Lamps (E)
Display Controls	Onscreen Display Control (OSD) of brightness, contrast R, contrast G, contrast B, H position, V position, frequency, phase, track text/graphics, expansion, display mode/frequency, ROM/RAM version, load mode, and load default
Rear Connectors	DB15 HD Video Connector, Power Input Connector
I/O Connectors	PS/2 Keyboard and Mouse, 6-pin Mini DIN
Keyboard	
Dimensions (L x W x H)	14.56" x 5.45" x .78"
Number of Keys	83, Tampo Printed
Keyboard Compatibility	PS/2
Pointing Device	Integrated Trackball, 16mm
Certifications	FCC Part 15, Subpart B, Class B
Reliability	MCBF: 1 x 10 ⁹ cycles, MTBF: >134,000 hours; Operating Life of Individual Keys is >20 million actuations
Mechanical	
Enclosure Dimensions (H x W x D)	3.5" (8.89cm) x 19" x 22.375"
Construction	16GA CRS 1010-1018
Finish	Black Texture Powder Coat
Environmentals	
Storage Temperature	-25 C to +60 C
Operating Temperature	-0 C to +50 C
Power Supply	110/220 VAC autoswitching, 47-63 Hz, 15 watts, 12 volt input available, optional DC power supply available
Frequency	47-63 Hz
Power Consumption	7.5 Watts (Max)
Input Voltage Required	+12-VDC
Notes:	<ul style="list-style-type: none"> • VESA?Display Power Management (DPMS™) compatible • EPA Energy StarSM compliant power saving.

Rackmount Keyboard

**Keyboard**

Dimensions (L x W x H) 16.0" x 7.1" x 1.45"

Number of Keys 101

Keyboard Compatibility AT, PS/2

Pointing Device Mouse

Certifications FCC Part 15, Subpart B, Class B

Reliability MCBF: 1 x 10⁹ cycles, MTBF: >80,000 hours; Operating Life of Individual Keys is up to 50 million actuations

Mechanical

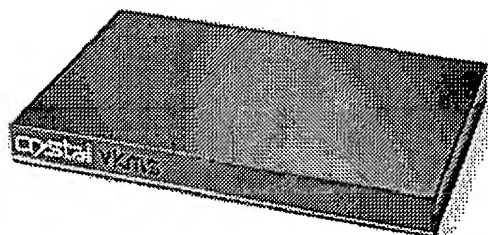
Enclosure Dimensions (H x W x D) 3.5" (8.89cm) x 19" x 17.5"

Construction

16GA CRS 1010-1018

Finish

Black-Texture Powder Coat

Rackmount Video Keyboard/Mouse Switch**Features:**

- Control 2 to 256 computers from one keyboard, monitor and PS/2 mouse
- Reclaim valuable space instantly
- Reduce the cost of excess equipment

- Eliminate clutter of keyboards, monitors, mice
- Improves productivity with central control of computers with no change in operation or reliability

Specifications:

- Rack unit 1.75" (4.45 cm), or 1U high
- Choose from desktop and rackmount models to control up to 16 computers with one switch
- Expand capacity to control up to 256 computers by cascading up to seventeen units
- Supports VGA, SVGA, XGA, RISC System 6000, GTX and GTX1XX
- Computers may be scanned sequentially by port or user selected symbolic name
- On-screen programming of scan sequence and rate
- "Plug and Play" any mix of computers (all brands and models) on any VKMS port
- Input voltage: 100-120, 200-240 VAC autoranging
- Certifications: UL, CUL, FCC-A, CISPRA-A, TUV/GS, CE

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